

● PRINTER RUSH ●
(PTO ASSISTANCE)

Application : 09/927646 Examiner : Feeair GAU : 2663

From: Tu Location: IDC FMF FDC Date: 1-20-06

Tracking #: EPM Week Date: 9-26-06

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449		<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS		<input type="checkbox"/> Foreign Priority
<input type="checkbox"/> CLM		<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW		<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW		<input type="checkbox"/> Other
<input checked="" type="checkbox"/> DRW	<u>3-3-06</u>	
<input type="checkbox"/> OATH		
<input type="checkbox"/> 312		
<input type="checkbox"/> SPEC		

Att'n: Chief Patent Examiner

[RUSH] MESSAGE:

Sheet # 9 of 6 in the drawings submitted on 3-3-06 is a continuation of Figure 4 but the Figure Label does not read "cont'd".

Please supply a corrected drawing sheet showing "cont'd".

Thank You
Tu

[XRUSH] RESPONSE: 01/24/06

DRAWINGS CORRECTED

INITIALS: LAM

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

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        M4=L;           {modifier for coef is L}
        M5=-1;          {modifier to shift coef back -1}
        I0=%data;        {setup circular buffer in DM}
        L0=%data;
        M0=1
        IMASK=B#1000;   {enable interrupt 3}
wait_interrupt: JUMP wait_interrupt; {infinite wait loop}

{ _____ Interpolate _____ }

sample:   MODIFT(I4,M5);   {shifts coef pointer back by -1}
          AY0=DM(counter);
          AR=AY0-1;          {decrement and update counter}
          DM(counter)=AR;
          IF NE JUMP do_fir; {test ant input if L times}

{ _____ input data sample, code executed at the sample rate _____ }

do_input: AY0=DMadc; {input data sample}
          DM(I0,M0)=AY0; {update delay line with newest}
          MODIFY(I4,M4); {shifts coef pointer up by L}
          DM(counter)=M4; {reset counter to L}

{ _____ filter pass, occurs at L times the input sample rate _____ }

do_fir:   CNTR=NOVERL-1; {N/L since round on last tap}
          MR=0, MX0=DM(I0,M0); MYO=PM(I4,M4);
          DO taploop UNTIL CE; {N/L-1 taps of FIR}
          MR=MR+MX0*MX0(SS), MX0=DM(I0,M0), MYO=PM(I4,M4);
          IF MV SAT MR;        {saturate result if overflowed}
          DM(doc)=MR1;         {output sample}
          RTI;

ENDMOD:

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FIG. 4 (PRIOR ART)
(CONTINUED)